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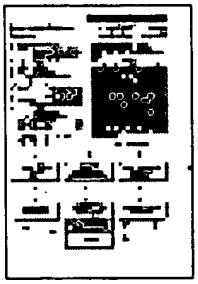
Title: **JP2003310293A2: METHOD FOR PRODUCING NUCLEOSIDE COMPOUND**

Derwent Title: Producing cytidine nucleoside derivatives useful as synthetic raw materials in pharmaceuticals, by reaction of cytosine derivatives and pentose-1-phosphoric acid derivatives in the presence of nucleoside phosphorylase [Derwent Record]



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Country: **JP** Japan

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Application Number: **JP2002000125145**

IPC Code: **C12P 19/40;** C07H 19/073;

Priority Number: 2002-04-26 **JP2002000125145**

Abstract: PROBLEM TO BE SOLVED: To provide a method for producing a cytidine nucleoside derivative from a cytosine derivative and a pentose-1-phosphoric acid derivative or its salt, by using nucleoside phosphorylase, or a cell body, enzyme, culture, or the like, having this enzyme activity, as a catalyst.

SOLUTION: This method for producing the cytidine nucleoside derivative comprises adding an organic solvent having a solubility of ≤2.5 wt.% at 20°C to the reaction liquid and conducting the reaction, so that decomposition activity of a substrate of enzyme reaction or the reaction product is specifically deactivated. Thus, the cytidine nucleoside derivative of high quality is produced in a high yield. Further, by-products are scarcely formed, when the cytidine nucleoside derivative is produced.

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